

PTO/SB/81 (04-05)

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 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/772,636
Filing Date	February 5, 2004
First Named Inventor	Louise M. Kelly (as amended)
Title	METHODS AND COMPOSITIONS FOR.....
Art Unit	1646
Examiner Name	Howard, Zachary C.
Attorney Docket Number	MP103-015P1RNOMNIM

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

Practitioners associated with the Customer Number:

30405

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number:

OR

The address associated with Customer Number:

30405

<input type="checkbox"/>	Firm or Individual Name
--------------------------	-------------------------

Address

City	State	Zip
------	-------	-----

Country

Telephone	Email
-----------	-------

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

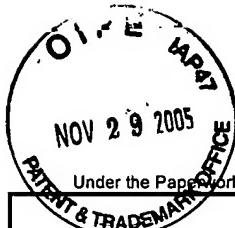
Signature	<i>Ian Robert Silverman</i>	Date	November 29, 2005
Name	Ian Robert Silverman	Telephone	617 551 8604
Title and Company	Associate General Counsel		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Millennium Pharmaceuticals, Inc.Application No./Patent No.: 10/772,636 Filed/Issue Date: February 5, 2004

Entitled: METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS USING 9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689, 28899, 53659, 64549, 9465, 23544, 7366, 27417, 57259, 21844.....

Millennium Pharmaceuticals, Inc., a a Delaware corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or2. an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015960, Frame 0402, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Ian Robert Silverman

Signature

November 29, 2005

Date

Ian Robert Silverman

617 551 8604

Printed or Typed Name

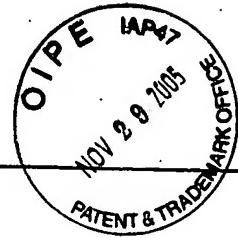
Telephone Number

Associate General Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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COPY

AES

MP103-01SPRNOHNIM

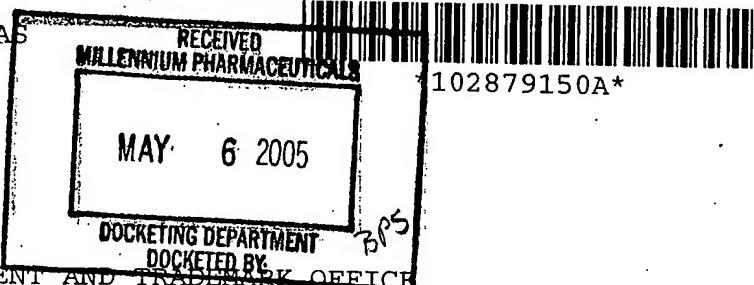
UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

APRIL 28, 2005

MILLENNIUM PHARMACEUTICALS, INC.
MARIO CLOUTIER
40 LANDSDOWNE STREET
CAMBRIDGE, MA 02139

PTAS



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22314.

RECORDATION DATE: 11/08/2004

REEL/FRAME: 015960/0402
NUMBER OF PAGES: 22

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

KELLY, LOUISE M.

DOC DATE: 09/23/2004

ASSIGNEE:

CARROLL, JOSEPH M.

DOC DATE: 10/05/2004

ASSIGNEE:

FARLOW, DEBORAH

DOC DATE: 09/27/2004

ASSIGNEE:

HEALY, AILEEN

DOC DATE: 09/28/2004

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
40 LANDSDOWNE STREET
CAMBRIDGE, MASSACHUSETTS 02139

015960/0402 PAGE 2

SERIAL NUMBER: 10772636

FILING DATE: 02/05/2004

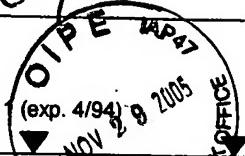
PATENT NUMBER:

ISSUE DATE:

TITLE: METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS USING
9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689,
28899, 53659, 64549, 9465, 23544, 7366, 27417, 57259, 21844, 943,
2061, 5891, 9137, 13908, 14310, 17600, 25584, 27824, 28469, 38947,
53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 OR 5014

LENELL MACKALL, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

11/8/04

FORM PTO-1595
(Rev. 6-93)OMB No. 0651-0011 (exp. 4/94)
Tab Settings →

11-10-2004

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102879150

To the Honorable Commissioner of Patents and Trademarks, send original documents or copy thereof.

1. Name of conveying party(ies):

Louise M. Kelly Execution Date: September 23, 2004
1450 Beacon St, Apt. 703
Brookline, MA 02446

Additional name(s) of conveying parties attached? Yes No

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is

A. Patent Application No.(s)

10/772,636

B. Patent No.(s)

Additional Numbers attached?

 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mario CloutierInternal Address: Millennium Pharmaceuticals, Inc.Street Address: 40 Landsdowne StreetCity: Cambridge State: MA ZIP: 02139

6. Total number of applications and patents involved

1

7. Total fee (37 CFR 3.41) \$40.00

 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

501668

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mario Cloutier, Limited Recognition Under 37 C.F.R. §10.9(b)

Name of Person Signing

November 3, 2004

Date

Total number of pages including cover sheet, attachments, and document:

24

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services,

Director - U.S. Patent and Trademark Office

P.O. Box 1450, Alexandria, VA 22313-1450

11/09/2004 07ON11 00000061 501668 10772636

01 FC:0021 40.00 DA



Joseph M. Carroll
113 Sciarappa St.,
Cambridge, MA 02141

Execution Date: October 5, 2004

Deborah Farlow,
245 Main Street, Apt. 18
Watertown, MA 02472

Execution Date: September 27, 2004

Aileen Healy
33 Coolidge Road.,
Medford, MA 02155

Execution Date: September 28, 2004



PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNORS:

Louise M. Kelly

1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446

Nationality: Ireland

Joseph M. Carroll

113 Sciarappa St., Cambridge, Massachusetts 02141

Nationality: United States

Deborah Farlow

3411 Stearns Hill Road, Waltham, Massachusetts 02451

Nationality: United States

Aileen Healy

33 Coolidge Road, Medford, Massachusetts 02155

Nationality: United States

have co-invented a certain invention entitled:

**METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS
USING 9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689, 28899, 53659, 64549, 9465,
23544, 7366, 27417, 57259, 21844, 943, 2061, 5891, 9137, 13908, 14310, 17600, 25584, 27824, 28469,
38947, 53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 or 5014**

for which they have executed an application for a United States patent, which was filed on February 5, 2004, under U.S. Application No. 10/772,636; and

WHEREAS,

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
40 Landsdowne Street
Cambridge, MA 02139
State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may

Practitioner's Docket No. MPI03-015P1RNOMNIM

deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this
September, 2004.

23

day of

Louise Kelly

Signature of Louise M. Kelly

Daniel Cardillo P.O. Box 12817 Schofield Dr. Franklin, MA 02038-0128
Witness Address

ERIN NOLIN 33 Hall St #3 Jamaica Plain, MA 02150
Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Joseph M. Carroll

Witness Address

Witness Address

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Deborah Farlow

Witness _____ **Address** _____

Witness _____ **Address** _____

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Aileen Healy

Witness _____ **Address** _____

Witness _____ **Address** _____

PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNORS:

Louise M. Kelly

1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446

Nationality: Ireland

Joseph M. Carroll

113 Sciarappa St., Cambridge, Massachusetts 02141

Nationality: United States

Deborah Farlow

3411 Stearns Hill Road, Waltham, Massachusetts 02451

Nationality: United States

Aileen Healy

33 Coolidge Road, Medford, Massachusetts 02155

Nationality: United States

have co-invented a certain invention entitled:

**METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS
USING 9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689, 28899, 53659, 64549, 9465,
23544, 7366, 27417, 57259, 21844, 943, 2061, 5891, 9137, 13908, 14310, 17600, 25584, 27824, 28469,
38947, 53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 or 5014**

for which they have executed an application for a United States patent, which was filed on February 5, 2004, under U.S. Application No. 10/772,636; and

WHEREAS,

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
40 Landsdowne Street
Cambridge, MA 02139
State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may

Practitioner's Docket No. MPI03-015P1RNOMNIM

deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____, 2004.

day of

Signature of Louise M. Kelly

Witness Address

Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this 5th day of
October, 2004.


Signature of Joseph M. Carroll

 TODOR DIMITROV 207 RUSSETT RD BROOKLINE MA
Witness Address

 Sally L. McCracken 4 Arbor Way Framingham, MA
Witness Address

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Deborah Farlow

Witness Address

Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Aileen Healy

Witness Address

Witness Address

PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNORS:

Louise M. Kelly

1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446

Nationality: Ireland

Joseph M. Carroll

113 Sciarappa St., Cambridge, Massachusetts 02141

Nationality: United States

Deborah Farlow

3411 Stearns Hill Road, Waltham, Massachusetts 02451

Nationality: United States

Aileen Healy

33 Coolidge Road, Medford, Massachusetts 02155

Nationality: United States

have co-invented a certain invention entitled:

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38947, 53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 or 5014**

for which they have executed an application for a United States patent, which was filed on February 5, 2004, under U.S. Application No. 10/772,636; and

WHEREAS,

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
40 Landsdowne Street
Cambridge, MA 02139
State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

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Practitioner's Docket No. MPI03-015P1RNOMNIM

deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Louise M. Kelly

Witness Address

Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Joseph M. Carroll

Witness Address

Witness Address

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this 27 day of
September, 2004.

Deborah Farlow
Signature of Deborah Farlow

Deborah Farlow
Witness Address

Aileen Healy
Witness Address

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Aileen Healy

Witness Address

Witness Address

PATENT

For: U.S. and Foreign Rights
For: U.S. Application
By: Inventors

ASSIGNMENT OF INVENTION

WHEREAS,

ASSIGNORS:

Louise M. Kelly

1450 Beacon St., Apt. 703, Brookline, Massachusetts 02446

Nationality: Ireland

Joseph M. Carroll

113 Sciarappa St., Cambridge, Massachusetts 02141

Nationality: United States

Deborah Farlow

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Nationality: United States

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have co-invented a certain invention entitled:

**METHODS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS
USING 9118, 990, 17662, 81982, 630, 21472, 17692, 19290, 21620, 21689, 28899, 53659, 64549, 9465,
23544, 7366, 27417, 57259, 21844, 943, 2061, 5891, 9137, 13908, 14310, 17600, 25584, 27824, 28469,
38947, 53003, 965, 56639, 9661, 16052, 1521, 6662, 13913, 12405 or 5014**

for which they have executed an application for a United States patent, which was filed on February 5, 2004, under U.S. Application No. 10/772,636; and

WHEREAS,

ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC.
40 Landsdowne Street
Cambridge, MA 02139
State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

Now, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may

Practitioner's Docket No. MPI03-015P1RNOMNIM

deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ **day of**
_____, 2004.

Signature of Louise M. Kelly

Witness _____ **Address** _____

Witness _____ **Address** _____

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____ day of
_____, 2004.

Signature of Joseph M. Carroll

Witness _____ **Address** _____

Witness _____ **Address** _____

Practitioner's Docket No. MPI03-015P1RNOMNIM

IN WITNESS WHEREOF, I have hereunto set hand and seal this _____
_____, 2004.

day of

Signature of Deborah Farlow

Witness _____ Address _____

Witness _____ Address _____

IN WITNESS WHEREOF, I have hereunto set hand and seal this 28th day of
September, 2004.

Signature of Aileen Healy

Aileen Healy 46 Huron Circle Dorchester, MA 02124
Witness _____ Address _____

Paula Swulka 36 Harrison Ave, Saugus, MA 01906
Witness _____ Address _____